

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Correlation	Errors
1	IS&R	L1	74	(95/35).CCLS.	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:07			0
2	IS&R	L2	55	(95/34).CCLS.	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:12			0
3	BFS	L3	96655	centrifuge or centrifugation	USPA T; US-E GPUB ; EPO; JPO	2003/03/1 9 10:15			0
4	BFS	L4	11305	(methane or "CH. _{sub.4} ") with (carbon adj dioxide) or "CO. _{sub.2} ")	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:17			0
5	BFS	L5	20	the same 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:25			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Errorors
6	BPS	L6	5353	(rotating or rotation) same 3	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:26		0
7	BFS	L7	37	6 and 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:42		0
8	BFS	L9	922	(separate or separation) with 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:57		0
9	BFS	L10	39	9 and 3	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:54		0
10	BFS	L11	14738	centrifugal with (separate or separation)	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 10:56		0

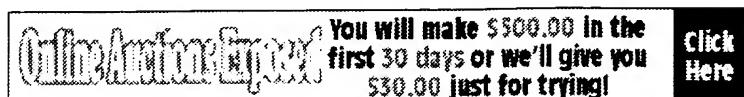
	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Count
11	BFS	L12	3	11 same 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/19 10:56		0
12	BFS	L13	1863	(separate or separation) same 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/19 10:58		0
13	BFS	L14	98	centrifugal and 13	USPA T; US-P GPUB ; EPO; JPO	2003/03/19 11:06		0
14	BFS	L15	30561	natural adj gas	USPA T; US-P GPUB ; EPO; JPO	2003/03/19 11:05		0
15	BFS	L16	149	15 same 9	USPA T; US-P GPUB ; EPO; JPO	2003/03/19 11:14		0

		Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Errorors
16	BPS	L17	7		centrifugal and 16	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 11:06		0
17	BFS	L18	2		3 and 16	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 11:14		0
18	BPS	L19	0		55/409.ccls. and 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 11:15		0
19	BFS	L20	1		55/408.ccls. and 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 11:15		0
20	BFS	L21	0		55/343.ccls. and 4	USPA T; US-P GPUB ; EPO; JPO	2003/03/1 9 11:15		0

		Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Correlation	Errors
21	BFS	L12	2		55/345.ccls. and 4	USPA T; US-F GPUE ; EPO; JPO	2003/03/1 9 11:16			0
22	BFS	L23	6		95/258.ccls. and 4	USPA T; US-F GPUE ; EPO; JPO	2003/03/1 9 11:17			0
23	BFS	L24	4		95/254.ccls. and 4	USPA T; US-F GPUB ; EPO; JPO	2003/03/1 9 11:17			0
24	BFS	L25	0		95/270.ccls. and 4	USEA T; US-F GFJP ; EPO; JPO	2003/03/1 9 11:17			0
25	BFS	L50	46119	gas adj mixture		USEA T; US-F GPUB ; EPO; JPO	2003/03/1 9 12:26			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Correlation	Errors
26	BRS	L51	2566	(separate or separation) with 50	USFA T; US-P GPUB ; EPO; JPO	2003/03/19 12:27			0
27	BRS	L52	103	51 and 3	USFA T; US-P GPUB ; EPO; JPO	2003/03/19 12:27			0

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gobi.lbl.gov/~chem130A/Exams/Spring2001/Exam3_1.pdf
2. [Iraq's Nuclear Weapon Program](#) - ... The different **weights** of the uranium isotopes cause them to **separate**, with the ... had pursued laser uranium enrichment through both **molecular** and atomic ...
www.iraqwatch.org/wmd/nuclear.html [search within this site](#)
3. [Historical Records Declassification Guide CG-HR-1](#) - ... a process that can **separate** the U ... dial-a-yield, selectable yields dimensions, **weights** disablement, command ... separation lithium enrichment **molecular** laser isotope ...
www.osti.gov/html/osti/opennet/document/cghr1/cghr1f.html [search within this site](#)
4. [Uranium Enrichment \(PDF\)](#) - ... The ability of the separation element to **separate** U235 and U238 ... difference in mass can be calculated using the **molecular weights** (atomic **weights** of the ...
www.urencode.de/pdf_archiv/uran_enrich.pdf
5. [Nat'l Academy Press, Affordable Cleanup? \(1996\), GLOSSARY](#) - ... converters that is used to **separate** uranium isotopes of different **molecular weights** (eg, 23sU ... **Gas centrifuge** process A method of isotope separation in ...
www.nap.edu/books/0309054389/html/296.html
6. [Chapter 2 Nuclear Energy and Nuclear Weapons An Introductory ... \(PDF\)](#) - ... have different nuclear properties and masses/weights but their ... The **Molecular** approach also relies on differences in ... break up these molecules and **separate** the U ...
www.pppn.soton.ac.uk/bb1/Bb1Chap2.pdf [search within this site](#)
7. [Technologies Underlying Weapons of Mass Destruction \(Part 3 of 8 ... \(PDF\)](#) - ... might be able to reduce warhead **weights** to the ... Technologies Low- and medium-level **gas centrifuge** tech- nology ... useful for nuclear weapons and **separate** it from ...
www.wws.princeton.edu/cgi-bin/byteserv.prl/~ota/disk1/1993/9344/934403.PDF [search within this site](#)
8. [Nuclei, Isotopes and Isotope Separation \(PDF\)](#) - ... Atomic masses and atomic **weights** The universal mass unit , abbreviated u (sometimes amu ... m because singly charged ions of the atomic or **molecular** species are ...
book.nc.chalmers.se/CHAPTERS/CH02/CH02NY3.PDF
9. [NRC: Full-Text Glossary](#) - ... The processing of reactor fuel to **separate** the unused ... Gases A substance possessing perfect **molecular** mobility and ... number but different atomic **weights** or mass ...
www.nrc.gov/reading-rm/basic-ref/glossary/full-text.html
10. [INFCIRC/254/Rev.2/Part 2/Mod.1](#) - ... of source or special fissionable material, or **separate** storage installation ... except parts specifically designed for use as **weights** or gamma ... e) **Molecular** beam mass ...
www.iaea.or.at/worldatom/Documents/Infcircs/1996/inf254r2p2m1.shtml
11. [PART B LIST OF NUCLEAR-RELATED DUAL-USE ITEMS](#) - ... parts specifically designed for use as **weights** or gamma ... materials resistant to UF6; (e)**molecular** beam mass ... **Separate** shipments from different sources are allowed ...
laws.justice.gc.ca/en/N-28.3/SOR-2000-210/147438.html [search within this site](#)
12. [Chinese Web Site Design\(VIP Version\)](#) - ... in.), except parts specifically designed for use as **weights** or gamma ... e) **Molecular** beam mass ... **Separate** shipments from different sources are allowed, provided the ...
www.chinaexcite.com/tradeguide/laws_trade_1a.htm
13. [China](#) - ... or special fissionable material, or **separate** storage installation ... specifically designed for use as **weights** or gamma ... resistant to UF 6 ; (e) **Molecular** beam mass ...
www.nti.org/db/china/engdocs/iaea254d.htm
14. [ningbo-export](#) - ... except parts specifically designed for use as **weights** or grammar ... (e) **Molecular** beam mass ... **Separate** shipments from different sources are allowed, provided the ...



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2. [Silex Systems Ltd](#) - ... funding continued development of older **gas centrifuge** enrichment technology ... various laser designs (**carbon dioxide** based) and ... always gave low **separation** factors ... www.sea-us.org.au/corpfilez/no2lasers.html
3. http://www.russiantext.com/russian_library/library/mining.signalbay/dmmrt485.html - ... created where a gas such as **carbon dioxide** is trapped ... usually hydrocarbons or hydrocarbons and **carbon** monoxide. ... A method of isotope **separation** in which heavy ... www.russiantext.com/russian_library/library/mining.signalbay/dmmrt485.html [search within this site](#)
4. [IAEA Iraq Action Team- nwp2](#) - ... and Design Centre Processed uranium **dioxide** to produce ... Electro-magnetic isotope **separation** (EMIS ... and tested magnetic centrifuges using a **carbon** composite rotor ... www.iaea.or.at/worldatom/Programmes/ActionTeam/nwp2.html [search within this site](#)
5. [SEPARATION SCIENCE AND TECHNOLOGY](#) - ... Multicomponent Isotope Mixtures by **Gas Centrifuge** Cascades ... **Separation** Science and Technology 2000, 35 (14 ... Liquid Equilibrium for **Carbon Dioxide** + Ethanol + Water ... www.chem.msu.su/rus/journals/membranes/9/html/sst_cnt9.htm
6. [Uranium Enrichment](#) - ... amounts to 0.1% of the **carbon dioxide** from equivalent ... A **gas centrifuge** plant typically demands 2,500 kilowatt hours ... To obtain efficient **separation** of the two ... www.uic.com.au/nip33.htm [search within this site](#)
7. [Reasons for Using Nuclear Power As an Energy Source](#) - ... AND over 4 million tons of **carbon dioxide**, **carbon** monoxide, nitrogen ... of a ceramic uranium **dioxide**; Cladding the ... by forcing more specialized **separation** of the Pu ... www.nucleartourist.com/basics/reasons1.htm
8. [9/26/2001 8:30 AM 1 22.813 APPLICATIONS OF TECHNOLOGY \(F'01\) ... \(PDF\)](#) - ... H 2 O; D 2 O; helium; **carbon dioxide**; liquid sodium ... Pakistan used a **gas centrifuge** plant to produce highly-enriched uranium for ... 4.3 Laser Isotope **Separation** ... web.mit.edu/1.149/www/fall2002/handouts/lecture5/lec5.pdf
9. [Products](#) - ... 1% **carbon**-13 to produce isotopically pure **carbon**-12 diamond ... surface traps at the silicon-silicon **dioxide** interface. ... Table 2. Silicon Isotope **Separation** Methods. ... www.isonics.com/Products/Semiconductors/IsoPure.cfm
10. [IAEA: Fact Sheet on Iraq's Nuclear Weapon Program - 4-25-02](#) - ... Processed uranium **dioxide** to produce ... Electro-magnetic isotope **separation** (EMIS). ... and assembled and tested magnetic centrifuges using a **carbon** composite rotor ... www.iraqwatch.org/un/IAEA/iaea-facts-042502.htm [search within this site](#)
11. [FT13/16 layout \(PDF\)](#) - ... the thermal conductivity of 99.9% **carbon**-12 diamond ... traps at the silicon-silicon **dioxide** interface ... MANUFACTURING A variety of isotope **separation** methods have ... www.semiconductorfabtech.com/journals/edition.13/ft13.pdf/ft13_297.pdf
12. [Russian Research Centre Kurchatov Institute](#) - ... It is evident that modern **gas centrifuge** technique **separation** ... a new economically effective **separation** facility is ... urea into hydrate ammonia and **carbon dioxide**. ... www.kiae.ru/rus/inf/new/new6.htm [search within this site](#)
13. <http://wwwsoc.nii.ac.jp/aesj/publication/2000cont.htm> - ... **Separation** for SF6 **Gas Centrifuge** Tsunetoshi KAI ... **Hydrogen Isotope Separation** by Self-displacement ... Decompositions of **Carbon Dioxide**, **Carbon** Monoxide and Gaseous ... wwwsoc.nii.ac.jp/aesj/publication/2000cont.htm
14. [ISOTOPE TECHNOLOGIES](#) - ... efficiency of the modern **gas centrifuge separation** technique is ... a new economically



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1. [World Nuclear Association | CO2 and the Nuclear Fuel Cycle](#) - ... case), due to greater use of **gas centrifuge** enrichment instead ... with lignite, which may have contained **methane**. ... Studies of the **carbon dioxide** emissions from the ...
www.world-nuclear.org/co2&nfc.htm [search within this site](#)
2. http://www.russiantext.com/russian_library/library/mining.signalbay/dmmrt485.html - ... blackdamp), **carbon** monoxide (whitedamp), **methane** (combustible gases ... a gas such as **carbon dioxide** is trapped in ... hydrocarbons or hydrocarbons and **carbon** monoxide. ...
www.russiantext.com/russian_library/library/mining.signalbay/dmmrt485.html
3. [IAEA Bulletin 39/2 - Greenhouse gases and the nuclear fuel cycle ...](#) - ... releases little **carbon dioxide** or **methane** to our ... **Carbon dioxide** emissions attributable to various stages of ... to greater use of **gas centrifuge** enrichment instead ...
www.iaea.or.at/worldatom/Periodicals/Bulletin/Bull392/taylor.html
4. [A Detailed Glossary of Nuclear Terms and Phrases](#) - ... **Carbon dioxide** (CO₂), water vapour (H₂O) and **methane** (CH₄ ... gaseous diffusion process consumes some 2400 kWh per SWU, while **gas centrifuge** plants require ...
www.sea-us.org.au/glossary.html
5. [letter](#) (PDF) - ... work on a new type of **gas centrifuge** for uranium ... such an increase in Danish **carbon dioxide** emissions from ... including steam reforming of **methane** for production ...
www.uic.com.au/news500.pdf [search within this site](#)
6. [Index](#) - ... Shik Yoo Key Words: **carbon dioxide**, diamond anvil cell ... Fox Key Words: activated **carbon**, crown polymers ... Research Highlights **Methane** Hydrate: A Surprising Compound ...
www.llnl.gov/str/Indexlist.html
7. [Alphabetic item descriptions and their corresponding commodity ...](#) - ... Bearings, **gas centrifuge** (*). N22020B00-03. ... 505.60.2. Bis(2-chloroethylthio)**methane** (*). C02040000-21. ... S/1995/215 Annex 3 Para 73.2. **Carbon dioxide** lasers. ...
www.casi.org.uk/info/1051list/annexb.html
8. [Planet Ark : Britain issues Iraq arms dossier, Baghdad scornful](#) - Planet Ark gives you up to 40 'World Environment News' stories every day from the Reuters news agency. Nearly 10,000 environmental news stories are fully ...
www.planetark.org/dailynewsstory.cfm/newsid/17892/newsDate/25-Sep-2002/story.htm [search within this site](#)
9. [2002 Abstract Book](#) (PDF) - ... value of oil, gas and **carbon dioxide** in 2002 to ... Coalbed **methane** continued to attract more attention in ... plans to build America's first **gas centrifuge** plant near ...
www.nwma.org/pdf/02abstracts.pdf
10. [IFRF Combustion Journal Article Number 200002, February 2000](#) (PDF) - ... energy from various biomass materials; * Pyrolysis systems for treating a range of wastes and producing chemical products such as activated **carbon**, as well as ...
www.journal.ifrf.net/library/february2000/200002griffiths.pdf
11. http://nuketesting.enviroweb.org/lanltech/lanl_t10.txt - ... pi sup minus]n LA-9102-MS Methane hydrate gas ... energy-transfer rates in heated **carbon dioxide** collisions by ... 9463-MS Cost analysis of the **carbon** monoxide steam ...
nuketesting.enviroweb.org/lanltech/lanl_t10.txt
12. [Uranium Production - Nuclear Weapons](#) - ... and the trioxide is reduced to uranium **dioxide** (UO₂ ... reinforced by certain glass, aramid, or **carbon** fibers ... A scavenger gas (such as **methane**) is used to capture ...
www.fas.org/nuke/intro/nuke/uranium.htm [search within this site](#)
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www.globalsecurity.org/wmd/intro/uranium.htm
14. [ORNL Women's History Month 2000](#) - ... other materials for the Advanced Gas Centrifuge Program ... of trees to